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ROYCE R. LATIMER

PETROLEUM EXPLORATION

AND ASSOCIATES

PHONE ALPINE 3-5976 . P. O. BOX 897 . 90 NORTH MAIN

M O A B . U T A H

November 2, 1961

COPY

Mr. Jerry Long, District Engineer U. S. Geological Survey P. O. Box 1809 Durango, Colorado

Re: Scheduled Devonian Test. Lease No. U=03051A

Dear Mr. Long:

This is to advise that all of my rights and obligations as Farmoutee (individual) from Cabeen Exploration Corporation, has
been assigned to Southern Natural Cas Company of Houston, Texas

Cabeen has approved my assignment to Southern Natural Gas Company. Cabeen will shortly provide you with executed copies of "Designation of Operator", naming Southern Natural Gas Co.

Additionally, Southern Natural Gas Company will file application for "Intention to Drill" in the immediate future.

If there is additional information required from me, such as a copy of the Farmout Agreement executed by Cabeen, and my assignment to Southern Natural Gas Company, will you please advise me as soon as possible?

Respectfully submitted,

Royce R. Latimer

cc: Mr. Feight, Exec. Secy.
Utah Oil & Gas Cons. Comm.
310 Newhouse Bldg.
Salt Lake City, Utah

Mr. Joe Cobb, Prod. Supt. Southern Natural Gas Co. Houston, Texas

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE:

Utah

SERIAL NO.:

03051-A

and hereby designates

Name:

Southern Natural Gas Company

Address: Oil and Gas and Gas Supply Division

P. O. Box 1513 - Esperson Building

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 27 South, Range 20 East, Salt Lake Meridian Section 6: Center of SE/4 NW/4

San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

ATTEST:

CABLEM EXPLORATION CORPORATION

Sy:

Sy:

(Signature of lesses)

R. A. Buchanan, Vice-President

Movember 2, 1961

(Date)

S. S. GOVERNMENT PRINTING OFFICE 16--- 25-00-5



Budget Bureau 42-R358.3. Approval expires 12-31-55.

Land Office Visio

Lease No. 03051-A

Unit U. S. A.



UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

(SUBMIT IN TRIPLICATE)

SUNDR	RY NOTICES A	AND RI	EPORTS (ON WEL	LS	
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NOTICE OF INTENTION TO ABAN	DON WELL					
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				1		
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I understand that this plan of	work must receive approval in	writing by the	Geological Survey be	ofore operations n	nay be commen	ced.
Company Souther	rn Batural Gas					
Address P. G.	Box 1513		_			
Houston	n l, Texas		By Cohe	× 21. 6	eelolpl	
			TitlePetro		•	

CERTIFIED SURVEYING

WINSTON BOYFR
P.O. Box 733
MOAB, UTAH

OFFICE:

POST OFFICE BUILDING
PHONE ALpine 3-5106

(Day or Night)

COMPANY Southern Natural Gas Co.

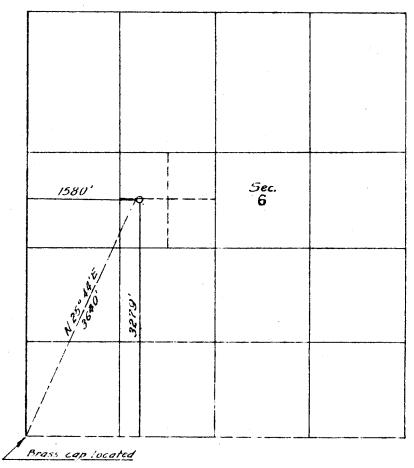
WELL NAME USA No. /

LOCATION 3279' from the South line 1580' from the West line

BEING IN the SE of the NW

SEC 6 T275 R20E SLM San Juan County, Utah

GROUND ELEVATION Undetermined until rig in place



SCALE 4" = 1 MILE

SURVEYED NOV. 2 1961 by WINSTON BOYER

Tenston Logar

SOUTHERN NATURAL GAS COMPANY

OIL AND GAS AND GAS SUPPLY DIVISION

P.O. BOX 1513 - ESPERSON BUILDING
HOUSTON 1, TEXAS

November 9, 1961

Utah Oil & Gas Conservation Commission 310 Newhouse Building Salt Lake City, Utah

Re: Drilling Permit

USA #1 Well Wildcat

San Juan County, Utah BLM LSE U-03051-A

Dear Sir:

Southern Natural Gas Company is requesting a Drilling Permit for their proposed USA #1 in San Juan County, Utah.

Attached are the following documents:

- 1. Two copies of Form 9-33la, Notice of Intention to Drill.
- 2. Two copies of Location Plat.
- Two copies of Form 9-1123, Designation of Operator.
- 4. Copy of Southern's letter requesting a Drilling Permit from the U. S. Geological Survey, Durango, Colorado.

The location of this well has been checked by your agent in Moab, Utah and was approved by him to be out of the center of the SE/4 of NW/4 Sec. 6, T27S, R2OE, SIM, San Juan County due to topographical reasons. He reportedly is forwarding a letter to your office to this effect.

If there is any additional information required or any questions on this application, please contact our Houston office.

Yours very truly,

R. H. adolph

Petroleum Engineer

cc: Mr. Jerry Long, District Engineer

U. S. Geological Survey

P. O. Box 1809

Durango, Colorado

SOUTHERN NATURAL GAS COMPANY
CIL AND GAS AND GAS SUPPLY DIVISION
P. O. BOX 1513-ESPERSON BUILDING
HOUSTON 1, TEXAS

November 9, 1961

Mr. Jerry Long, District Engineer U. S. Geological Survey P. O. Box 1809 Durango, Colorado

Re: Drilling Permit
USA #1
Wildcat
San Juan County, Utah
BLM ISE U-03051-A

Dear Mr. Long:

Southern Natural Gas Company requests a Drilling Permit for their proposed USA #1 Well in San Juan County, Utah.

Attached are following documents:

- 1. Three (3) copies of Form 9-33la, Notice of Intention to Drill.
- 2. Three (3) copies of location plat
- 3. Copy of Southern's letter requesting a Drilling Permit from the Utah Oil & Gas Conservation Commission
- 4. Copy of Cabeen Exploration Corporation's letter to Southern Natural Gas Company concerning this lease.
- 5. Three (3) copies of Form 9-1123, Designation of Operator.
- 6. One (1) copy of Cabeen's Bond covering operations on this lease.

If there is any additional information required or any questions on this application, please contact our Houston office.

Yours very truly,

R. H. Cedolph R. H. Adolph

Petroleum Engineer

RHA/llc Attachment

cc: Utah Oil & Gas Conservation Commission 310 Newhouse Building Salt Lake City, Utah

November 14, 1961

Southern Natural Gas P. O. Box 1513 Houston 1, Texas

Attn: Robert H. Adolph, Petr. Eng.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. U.S.A. \$1, which is to be located 3279 feet from the south line and 1580 feet from the west line of Section 6, Township 27 South, Range 20 East, SLEM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted in accordance with Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Please have the enclosed "Minimum Safety Requirements" posted in a conspicuous place on the drilling location.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT, EXECUTIVE DIRECTOR

CBF: awg

cc: Jerry W. Long, Dist. Eng. U. S. Geological Survey

H. L. Coonts - OGCC, Moab

Form 9-881 a (Feb. 1961)

X



Budget Bureau No. 42-R358.4.

	-Lp	provat expires 12-31-60.	
and	Office	Utah	

Lease No. 03051-A Unit U.S.A. #1

Utah

(State or Territory)

UNITED STATES

(SUBMIT IN TRIPLICATE)

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

NOTICE OF INTENTION TO DRILL NOTICE OF INTENTION TO CHANC NOTICE OF INTENTION TO TEST NOTICE OF INTENTION TO SHOOT NOTICE OF INTENTION TO PULL O	SE PLANS		SUBSEQUENT REPORT OF WATER SHUT-OFF. SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING. SUBSEQUENT REPORT OF ALTERING CASING. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR. SUBSEQUENT REPORT OF ABANDONMENT.	
TO ABAND	ON WELL		RUPPLEMENTARY WELL HISTORY REPORT No. 1	X
		*****	November 30	19 61
SE/4 of NW/4 C4 Sec. and Sec. No.) Wildcat	ated <u>3279</u> ft. f	From. $\left\{ \begin{array}{c} \blacksquare \\ S \end{array} \right\}$	line and 1580 ft from 1584 is	6
Wildost	(Twp.)	(Range)	(Meridian)	

The elevation of the derrick floor above sea level isft.

DETAILS OF WORK

Location work is completed; Now moving in Calvert Exploration Company's rotary drilling rig.

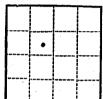
San Juan County
(County or Subdivision)

I understa	I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.					
Company	Southern Natural	Gas Company	decognical Survey before operations may be commenced.			
Address	P. 0. Box 1513					
	Houston, Texas		By Robert 21. Cololph			
***********	·	*	Title Petroleum Engineer			

Copy to HC



Budget Bureau No. 42-R358.4.



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office	
Losso No. U03051-1	1
Unit	

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL NOTICE OF INTENTION TO CHANGE PLANS NOTICE OF INTENTION TO TEST WATER SHUT-OFF NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL NOTICE OF INTENTION TO SHOOT OR ACIDIZE NOTICE OF INTENTION TO SHANDON WELL	SUBSEQUENT REPORT OF WATER SHUT-OFF SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING SUBSEQUENT REPORT OF ALTERING CASING SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR SUBSEQUENT REPORT OF ABANDONMENT SUPPLEMENTARY WELL HISTORY
(INDICATE ABOVE BY CHECK M	IARK NATURE OF REPORT, NOTICE, OR OTHER DATA)
JAMERIA MATURAL GAS C.	12-7-, 196

Well No. is located 32.79 ft. from S line and 1580 ft. from W line of sec. 6

(27 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ## 23 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, comenting points, and all other important proposed work)

SPUDGED K.P.M. 12-6-61

DRILLED TO 46 + SET ITT &4"0.0. 65 " H. W. GROVE-ASPIRAL WILL CASING

AT 40" K.B. PRINCIPALITY. CEMENTED @ 665KS, CONSTRUCTION CONCENT

JOB COMPLETE @ 4:30 A.M. 12-7-61

	I understand that th	is plan of work must	receive approval i	n writing by th	e Geological Suma			
c	ompany <i>Sout</i>				- Goological Surve	A perore ober # 1944:	a party as commence	.d.
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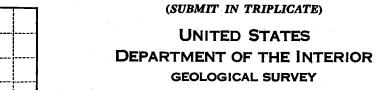




Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

and Office Utah

and	Office	UTALO
.0250	No	U-03051-A



TERIOR Unit U.S.A. #1

SUNDRY NOTICES AND	REPORTS ON WELLS
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I	BSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	BSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	BSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	BSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALI'ER CASING	PPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	
(INDICATE ABOVE BY CHECK MARK NATURE	OF REPORT, NOTICE, OR OTHER DATA)
· · · · · · · · · · · · · · · · · · ·	<u>December 19, , 1961</u>
Well No. 1 is located 3279 ft. from S	line and 1580 ft. from $\left\{\begin{matrix} \mathbf{k} \\ \mathbf{W} \end{matrix}\right\}$ line of sec. 6
SE/4 of M/2 T 27 S R 20 (Range)	(Meridian)
(Field) (County or Subdivi	sion) (State or Territory)
The elevation of the derrick floor above sea level is	
(State names of and expected depths to objective sands; show sizes, weighing points, and all other imp	
Total depth 498', 16" casing set at 498' Run 16 joints 16", 65#/ft., H-40, casing with 400 sx Pozmix with 4% Gel, 100# Flowith 100 sx Reat cement with 4% CaCl ₂ . 8:00 AM, 12-13-61. Tested casing with water to 1500 PSI for Test made 12-17-61.	with Baker Guide Shoe. Cemented -Seal, and 400% walnut hulls followed Had good cement returns. Job complet
I understand that this plan of work must receive approval in writing b	by the Geological Survey before operations may be commenced.
Company Southern Natural Ges Company	
Address D O Day 1513	
Address	
Address P. O. Box 1513	By R. H. Cedolph
	By R.H. Celolph Title Petroleum Engloser



GPO 862040

SOUTHERN NATURAL GAS COMPANY

OIL AND GAS AND GAS SUPPLY DIVISION

P.O. BOX 1513 - ESPERSON BUILDING
HOUSTON 1, TEXAS

December 20, 1961

State of Utah Oil & Gas Conservation Commission 310 Neuhouse Building Salt Lake City 11, Utah

Re: Southern Natural Gas U.S.A. #1

South Big Flat Area San Juan County, Utah

Dear Sir:

Attached are two copies of Casing Test Report concerning the recent test of the 16" casing of subject well.

If there are any questions concerning this report, please contact our Houston office.

Yours very truly,

SOUTHERN NATURAL GAS COMPANY

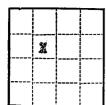
R. H. Adolph

Petroleum Engineer

RHA-GG

Attachments

Form. 9-881 a. (Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES **DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY**

Budget Bureau No. 42-R3 Approval expires 12-31-60,

Utah Land Office ...

U.S.A. #1

SUNDRY	NOTICES	S AND REP	ORTS ON WEI	LLS
NOTICE OF INTENTION TO DRILL.	***************************************	SUBSEQUENT	REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE			REPORT OF SHOOTING OR ACID	IZING
NOTICE OF INTENTION TO TEST W			REPORT OF ALTERING CASING.	ſ
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NOTICE OF INTENTION TO SHOOT			REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OF NOTICE OF INTENTION TO ABANDO		11 11	ARY WELL HISTORY	Ro. 2 X
	WELL			
(INDi	CATE ABOVE BY CHECK	MARK NATURE OF REPOR	T, NOTICE, OR OTHER DATA)	
		Decem	ber 2)	, 196
Well No. 1 is loc		from $\left\{ S \right\}$ line and	d 1500 ft. from $\begin{bmatrix} \mathbf{W} \\ \mathbf{W} \end{bmatrix}$ li	ne of sec. 6
(1/2 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
VIIICAT	,			
(Field)	CCC	Juan County ounty or Subdivision)	(State or Ter	ritowy)
tate names of and expected depths	to objective sands; sh ing points, an	ow sizes, weights, and len d all other important pro	gths of proposed casings; indicat sposed work)	e mudding jobs, ceme
ec. 6, 1961 - Spudde	d well at li	00 P.M., 12-6-	61	
ec. 7, 1961 - Bet 24	" casing at	40*		
ec. 13, 1961 - Set 1	6" costng at	498*		
ec. 17, 1961 - T este	d 16" easing	to 1500 PSI A	or 30 min 0.K.	
ec. 29, 1961 - Drill	ing at 2654'			
		1		•
I understand that this plan of wo	rk must receive appro	val in writing by the Geo	logical Survey before operations	may be commenced.
Company	MATURAL GAS	CONSTA		
Address P.O. BOX	1513	1		
	L. TEXAS		By R.K. Cielo	ere

Title Petroleum Engineer

SOUTHERN NATURAL GAS COMPANY

OIL AND GAS AND GAS SUPPLY DIVISION

P.O. BOX 1513 - ESPERSON BUILDING

HOUSTON 1, TEXAS

January 31, 1962

Utah Oil & Gas Conservation Commission 310 Newhouse Building

Salt Lake City, Utah

Re: U.S.A. #1, South Big

Flat Area, San Juan

Gentlemen: County, Utah

Attached are two copies of Supplementary Well History, Report #3 on the subject well.

Yours very truly,

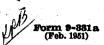
SOUTHERN NATURAL GAS

R. H. Cologe R. H. Adolph

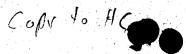
Petroleum Engineer

RHA/gme

Attachment

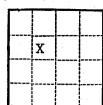






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Approv	al expires 12	- 31-	60 _~ .	

Land Office	Utah		1-
Lease No.	TT OOOE	L-A	7
	TT Q A	<i>#</i> 1	,



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

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(IN	DICATE ABOVE BY CHECK M	ARK NATURE OF REPORT, NOTIC	E, OR OTHER DATA)	
			January 31	. 196
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Form 9-331 a (Feb. 1951)



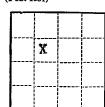


Budget Bureau No. 42-R358.4

Apploya U	erbites 12-31	-60.
and Office		

Land Office	:	
Lease No.	U-03051-A	
linie	U.S.A. #1	

Unit



(SUBMIT IN TRIPLICATE) UNITED STATES

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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Houston 1, Texas By Holomoles	The same will be an arrange of the same are			oy the Geological Survey before operations	may be commenced.
	ompany Southern Natu	rel Ges Co			



MAN

February 19, 1962

MEMO FOR FILING

Re: Southern Natural Gas
USA # 1
Sec. 6, T. 27 S, R. 20 E.,
San Juan County, Utah

On February 13, 1962, the above operator perforated their well and ran the following test:

4 hour test

T. P. 2525# - 680#

14" choke - produced 100 barrels of 39.5°
API gravity oil, gas unknown.

2 hour test on 1/8" choke

T. P. 1825# produced 15 barrels of oil

2 hour test

20/64" choke produced 48 barrels of oil

This is an apparent discovery in the lower paradox formation.

HARVEY L. COONTS PETROLEUM ENGINEER

HLC: cn



OIL AND GAS AND GAS SUPPLY DIVISION

P.O. BOX 1513 - ESPERSON BUILDING

Houston 1, Texas

March 2, 1962

State of Utah Oil and Gas Conservation Commission 310 Newhouse Building Salt Lake City 11, Utah

Re: U.S.A. #1

Shafer Canyon Field WE San Juan County, Utah BIM LSE U-03051-A

Gentlemen:

Attached are two copies of Form 9-330, Log of Oil Well.

Please note this well was drilled as a wildcat and we request the field designation Shafer Canyon be given to this completion.

If there is any questions concerning this matter, please contact our Houston office.

Yours very truly,

SOUTHERN NATURAL GAS COMPANY

R. H. Adolph

Petroleum Engineer

RHA/gme

Attachment

U. S. LAND OFFICE _	Utah		
SERIAL NUMBER U			
LEASE OR PERMIT T	o Prospect	USA	#

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

LOG OF OIL OR GAS WELL

		7.7				
		X				
LOCATE WELL CORRECTLY						
a Southern Natur						

LOCATE WELL CORRECTLY						
Company Southern Natural Gas Co.	Address P.O. Box 1513, Houston 1, Texas					
Lessor or Tract U.S.A.	Field Shafer Canyon State Utah					
Well No. 1 Sec. 6 T.27S R.20E Meridian	SLM County San Juan					
Location 3279 ft. $\begin{bmatrix} N \\ S \\ X \end{bmatrix}$ of S Line and 580 ft. $\begin{bmatrix} E \\ X \\ X \end{bmatrix}$	of W Line of Section 6 Elevation 4443					
The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Signed February 21 1067						
Date February 21, 1962	Title Pet. Eng.					
The summary on this page is for the condition of	the well at above date.					
Commenced drilling December 6, , 1961	Finished drilling February 14, , 1962					
	ANDS OR ZONES gas by G)					
No. 1, from 5790 to 5890	No. 4, from to					
No. 2, from to	No. 5, from to					
No. 3, from to	No. 6, from to					
IMPORTANT WATER SANDS						
	No. 3, from to					
No. 2, from to	No. 4, from to					
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Size	Weight	Threads per	Make	A	Wind of the	Cut and pulled from	Perfor	ated	
casing	per foot	inch	MINE	Amount Kind of shoe		Cut and puned from	From-	То-	Purpose
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.6	65	8 Rd.	Nat.	486		÷ 0		1. 1.1	Surface
0-3/4	40.5	8 Rd.	Nat.	3060		Ō			Protect
-5/8	2640	👂 Rd.	Nat.	6013		Ö	5808	5860	Product
-1/2	17	8 Rd.	Nat.	5772		D			Product

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method use	d M	ud gravity	Amount of mud used
16	499	500	Pumb & Pi	Lug A	Air	
10-3/4	+ 304 1	675	11	i Į	Air	_
7-5/8	5990	1715 √	11	1]	L6 #	Hole Full
5-1/2	5772	500	11]	L2.5 #	11 11

DITICS	CILA	ADAPTER

Heaving plug—Material Baker "R" Pkr. Length 7.00 ft. Depth set 5723

Adapters—Material Size 5-1/2" x 2-3/8"

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1-11/16"	Mac-Jet	Jet	208	2/12/	62 5808-60	59721

TOOLS USED

Rotary tools were used from ______ feet to ______ feet, and from ______ feet to ______ feet

Cable tools were used from _____ feet to ______ feet to _____ feet to _____ feet

DATES

March 1, ,1962

Put to producing 1 PM Feb. 28, , 19 62

The production for the first 24 hours was 280 barrels of fluid of which 100 % was oil; 6 was oil; 6 was oil; 6 was oil; 7 was oil; 7

Rock pressure, lbs. per sq. in.

EMPLOYEES Calvert Exploration Co.

G. Taylor , Driller
C. Hale , Driller

T. Engle , Driller , Driller

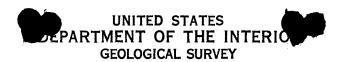
FORMATION RECORD

FROM-	то—	TOTAL FEET	FORMATION
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4025 4075 4170 4285 4375 4460 4610 4690 5315 5500 5790	4075 4170 4285 4375 4460 4610 4690 5000 5315 5500 5790 5890	50 95 115 90 85 150 80 310 315 185 290 100	" " 12 " " 13 " " 15 " " 16 " " 17 " " 18 " " 19 " " 20 " " 21 Cane Creek

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FORMATION RECORD—Continued

FROM—	то-	TOTAL FEET	FORMATION
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Casper, Wyoming, Laboratory

INFORMATION TO BE FURNISHED WITH EACH SAMPLE

Marks on container	Lab. No. 62-042 (Filled in by Chemist)
FieldBig Flat(extension), Utah	Farm or Lease (Serial Number)
Operator Southern Natural Gas	Address
(C. S. A. Well No	6, T27.S, R20.E,S.L M.
Sample taken by D. F. Bussell	Date taken 6/14/62
Name of sand (or formation) from which thi was obtained (if unknown or doubtful, s	s sample o state)
Depth to top of sand 2,718	Depth to bottom of sand
Depth well drilled 6,003!	Present depth 5,900!
Depths at which casing is perforated	5 ₇ 8081 - 601
If drill stem test, depth at which packer	is set
Depth at which last shut-off string of cas is landed, cemented or mudded (state wh	
Depths (if known) where water encountered.	(5) 0,70 ms
If acidized, dates, depths and gallons of Place where sample was obtained (drill ste	acid RECEIVE OF ERRY
Place where sample was obtained (drill ste lead line, flow tank, bailer, etc.)	
Method of production (flowing, pumping, ai	r, etc.)
Initial Production:	Present Production: SAL
Barrels Oil 600/day	Barrels 0il 2
Barrels Water	Barrels Water
Gas Volume	Gas Volume
Rock Pressure	Rock Pressure
REASON FOR ANALYSIS Future reference	



Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.

March 7, 1962

MEMO FOR FILING

Southern Natural Gas USA #1 Sec. 6, T. 27 S, R. 20 E., San Juan County, Utah

On Tuesday evening, March 6, 1962, Harvey phoned me that the storage tank containing 1,000 barrels oil had blown up at the tank battery location for this well. He reported that one man was killed and another was seriously burned. I phoned this information to Commissioner Nelson with the State Industrial Commission at 8:45 A.M. Wednesday, March 7.

> ROBERT L. SCHMIDT CHIEF PETROLEUM ENGINEER

RLS: cn

2/16/64 Jujured man died later - HLC.

March 15, 1962

Flint Rig Company

Moab

705 Midland Bank Bldg.

Utah

Midland. Texas

Re: Fatal accident to employee, Emil Potter, serious injury to Elmer Spears on March 6, 1962.

Gentleman:

Mr. John W. Holmes, State Metal Mine Inspector, investigated the above mentioned accident on March 8, 1/62. The report and recommendations follow:

An explosion and fire at Southern Natural Cas Company's oil tank battery near Well U.S.A. No. Lease U-03051-A located at the bottom of Shafer Trail in San Juan County killed Emil Potter and seriously burned Elmer Spears at about 4:30 P.M., March 6, 1962

The two men had been connecting pipe to steam coils under newly installed tanks and at the time of the explosion were between a battery of four tanks. One tank was full of oil, one contained oil and gas, and the other two were empty. Some welding had been done inside one empty tank approximately thirty minutes prior to the explosion. It is believed that the explosion was set off when gas and oil released from another tank through a bleeder line contacted hot metal or slag residual to the welding job. Two other employees were in the near vicinity of the explosion but were not injured. There was no supervisor in charge of the work being performed. The valve between the well and the tank battery was open while the work was being done, but was closed after the explosion so the fire would not be fed additional fuel.

Hecommendations:

- 1. Installation and maintenance work on oil and gas wells and auxiliary equipment should be done under competent supervision.
- 2. Proper precautions should be taken before, during and following welding operations to make sure that gas or oil will not be ignited.

7

Flint Rig Company

March 15, 1962 Page two

3. The main valve or valves at the well should be kept closed if the hazards of the work being done on any of the equipment will be reduced thereby.

Your attention to the foregoing recommendations is requested.

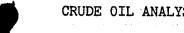
BY DIRECTION:

THE INDUSTRIAL CONSISSION OF UTAH

Casper A. Nelson, Commissioner

CAN/j

CRUDE OIL ANALYSIS





Condition of sample Laboratory No. 62-042 Analysis by Date 6/28/62 GENERAL CHARACTERISTICS Specific Gravity 0.8403 A.P.I. Gravity 36.9 Per cent Sulphur 0.19 Pour Point 800 F. Saybolt Universal Viscosity at 70°F. (too waxy) sec. Color brownish-green (dark) Saybolt Universal Viscosity at 100°F 68.1 sec. Base Paraffin DISTILLATION, BUREAU OF MINES. HEMPEL METHOD Distillation at atmospheric pressure 636 mm Hg. First Drop 30° C (90° F) Sum S.U. Cloud Fraction Cut. at. Per Per Sp.Gr. °A.P.I. Visc. Test No. °C. °F. Cent Cent 60/60°F. 60°F. C.I.* 100°F. °F. 2.3 2.3 0.647 1 87.2 50 122 2 2.4 4.7 0.673 75 167 76.8 8.9 3 67.5 17 100 212 3.4 8.1 0.711 4 125 11.7 257 0.734 61.3 19 3.6 **15.**3 0.753 5 150 56.4 20 302 6 3.8 19.1 175 52.3 22 347 0.770 3.8 22.9 0.785 48.8 23 7 200 392 5.0 27.9 0.799 45.6 24 8 225 437 5.3 33.2 0.813 42.6 25 9 250 482 6.7 39.9 0.823 40.4 25 10 275 527 *Note:-C.I. values calculated basis Bureau of Mines T.P. #610. Distillation continued at 40 mm. 11 2.3 42.2 200 392 0.832 38.6 25 42 5.5 47.7 0.836 37.8 23 47 12 225 437 13 4.4 52.1 0.844 250 482 36.2 4.1 56.2 0.856 14 275 527 33.8 6.3 62.5 0.870 15 300 572 31.1 37.5 100.0 0.913 23.5 Residuum 3.74% Carbon residue of residuum Carbon residue of crude.... APPROXIMATE SUMMARY °A.P.I. Sp.Gr. Viscosity, Per cent 60/60°F. 60°F. secs. Light gasoline 8.1 0.682 76.0 22.9 0.725 Total gasoline and naphtha 63.7 17.0 0.813 Kerosene distillate 42.6 7.0 0.835 38.0 Gas oil Below 50 37.2-31.5 0.839-0.868 Nonviscous lubricating distillate..... 50-100 4.2 0.868-0.878 Medium lubricating distillate 100-200 Viscous lubricating distillate 37.5 Above 200 Residuum

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Distillation loss

79912



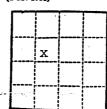
Copy H. L.C. (SUBMIT IN TRIPLICATE)



Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office Utah

Lesse No. 03051-A Unit U.S.A.



UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUE	ENT REPORT OF WATER SH	UT-OFF	
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notice of intention to test water shut-off		NT REPORT OF ALTERING		1 1
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NOTICE OF INTENTION TO PULL OR ALIER CASING		NTARY WELL HISTORY		
NOTICE OF INTENTION TO ABANDON WELL		***-***********************************		
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Shafer Canyon (Field)	San Juan (County or Subdivision)		Utah /	
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SOUTHERN NATURAL GAS COMPANY

EXPLORATION AND PRODUCTION DIVISION

P. O. BOX 1513 - ESPERSON BUILDING

HOUSTON 1, TEXAS

September 4, 1962

State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

Re: Supplemental Well History

U. S. A. #1

San Juan County, Utah

Gentlemen:

Attached for your information and file is a copy of the Supplemental Well History to report the pulling of the tubing and the re-running of the tubing and pump. The above job was started August 4, 1962 and completed August 24, 1962.

If there is any question on the attached, please contact.

Yours very truly,

SOUTHERN NATURAL GAS COMPANY

R. H. Adolph

Petroleum Engineer

RHA/gme

Attachment

May 16, 1963 Southern Natural Gas Company P. O. Box 1513 Houston 1, Texas Attention: C. K Woodruff, Supervisor Re: Well No. Long Canyon Unit #1 Sec. 9, T. 26 S, R. 20 E., Grand County, Utah Well No. Shafer Canyon Unit #1 Sec. 5, T. 27 S, R. 20 E., Grand County, Utah Gentlemen: On April 30, 1963, a general inspection was made of the above mentioned well sites, conditions appeared generally satisfactory, however, it was observed that gas was being vented into the atomsphere. The 'Lessee's Monthly Report of Operations", Form 9-329, indicated that no gas is associated with the oil being produced. Please be advised that further production reports will have to contain the amount of gas being flared. It is further requested that an immediate gas oil ratio test be made available to this Commission by reporting said data on "Well Status Report and Gas Oil Ratio Test", Form OGCC No. P-9. Your consideration with respect to the contents of this letter will be greatly appreciated. Yours very truly, OIL & GAS CONSERVATION COMMISSION PAUL W. BURCHELL CHIEF PETROLEUM ENGINEER PWB:kgw

SOUTHERN NATURAL GAS COMPANY EXPLORATION AND PRODUCTION DIVISION P. O. BOX 1613 - ESPERSON BUILDING HOUSTON 1. TEXAS

May 24, 1963

The State of Utah
Oil and Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Attention: Mr. Paul W. Burchell

Chief Petroleum Engineer

Re: Well No. Long Canyon Unit #1

Sec 9, T26,S, R20E, Grand County, Utah

Well No. Shafer Canyon Unit #1

Sec. 5, T27S, R20E, Grand County, Utah

Gentlemen:

This is in reply to your letter of April 30, 1963 to our Mr. C. K. Woodruff.

Please excuse the oversight on the gas being reported as zero by our Clerical Section. We are rigging up at this time to run Gas Oil Ratio Tests on the producing wells in the Long Canyon and Shafer Canyon Units and will file these tests immediately upon obtaining them.

Thank you for your cooperation in notifying us of this error and we appreciate your comments at any time.

Yours very truly,

SOUTHERN NATURAL GAS COMPANY

R. H. Kerr

Superintendent of Production

RHK/brs

WELL STATUS REPORT AND GAS-OIL RATIO TESTS

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Utah Oil & Gas Conservation Commission
Well Status Report and Gas-Oil Ratio Tests
Form OGCC No. P-9
Authorized by Order In Cause No. 15
Effective December 14, 1958

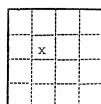




Budget Bureau No. 42-R368.4. Approval expires 12-31-60.

Utah

L-200 No. U-03051-A Unit U.S.A. #1



UNITED STATES **DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY**

(SUBMIT IN TRIPLICATE)

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ıly 7, 196 <u>3</u>	Returned well to pr	roduction on p	ump •	
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SOUTHERN NATURAL GAS COMPANY

EXPLORATION AND PRODUCTION DIVISION

P. O. BOX 1513 - ESPERSON BUILDING

HOUSTON 1, TEXAS

July 16, 1963

U. S. Geological Survey

P. O. Box 1809

Durango, Colorado

Attention: Mr. Jerry Long

District Engineer

Re: U.S.A. #1

Shafer Canyon Field San Juan Co., Utah

Gentlemen:

Attached are three (3) copies of Supplementary Well History on the subject well.

If there is any question on the attached, please contact me at the above address.

Yours very truly,

SOUTHERN NATURAL GAS COMPANY

J. B. Cobb General Drilling Superintendent

JBC/gme

Attachment

cc: Utah State Oil and Gas Conservation Commission ► Cabeen Exploration Corp., Denver, Colorado

The British American Oil Prod., Farmington, New Mexico

The British-American Oil Prod., Denver, Colorado Mr. Banjamin H. Swig, San Francisco, California

The Pure Oil Company, Durango, Colorado

The Pure Oil Company, Moab, Utah

Mr. Olen Featherstone, Roswell, New Mexico

Mr. Royce R. Latimer, Moab, Utah

Mr. Keith Somerville

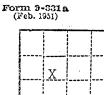
Mr. Wade Smith

Mr. R. W. Stoneburner

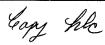
Well File

Corporate Files











Approval expires 12-31-60.	
and Office Utah	
No. U-03051-D	

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

(SUBMIT IN TRIPLICATE)

Unit U.S.A. #1 Shafer Canyon Field

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SOUTHERN NATURAL GAS COMPANY

(ANVE

P. O. BOX 1513 — ESPERSON BUILDING
HOUSTON 1, TEXAS

May 19, 1364

U. S. Geological Survey P. O. Box 1809 Durango, Colorado

Attention: Mr. Jerry W. Long

Re: Application to Plug and Abandon

USA #1

Shafer Canyon Field San Juan County, Utah

Gentlemen:

Attached are three copies of Form 9-331-a made out as a Notice of Intention to Abandon the USA #1. This well has not produced since Cotober, 1-63.

This plus and abandon procedure was discussed with Mr. Smith in your office May 18, 1964. If there are any further questions, please let us know.

Yours very truly,

SOUTHERN NATURAL GAS COMPANY

J. B. Cobb

General Drilling Superintendent

JBC/sb

Attachment

cc: State of Utah - w/Attachment
Oil & Gas Conservation
310 Newhouse Building
10 Exchange Place
Salt Lake City, Utah

Attention: Mr. C. B. Feight

-

-2-

ec: Cabeen Exploration Corporation - w/Attachment 945 Petroleum Club Building Denver 2, Colorado

Pure 011 Company - w/Attachment P. O. Box 3372 Durango, Colorado

British American Oil Producing Co. - w/Attachment P. O. Box 180 Denver 1, Colorado

Mr. Royce R. Latimer - w/Attachment P. C. Box 897 Mosb, Utah

Mr. Olen Peatherstone - w/Attachment 200 West First Street Roswell, New Mexico

Mr. Benjamin H. Swig - w/Attachment c/o Fairmont Hotel San Francisco, California

Mesars. K. J. Van Ness - Moab, Utah John Mock J. C. Williams K. Somerville - Midland Office W. Smith - Midland Office Corporate Well File **PROPY**

SOUTHERN NATURAL GAS COMPANY

OKO

P. O. BOX 1513 — ESPERSON BUILDING HOUSTON 1, TEXAS

June 23, 1964

U. S. Geological Survey P. O. Box 1809 Durango, Colorado

Re: Report of Abandonment U.S.A.#1

Shafer Canyon Field San Juan County, Utah

Attention: Mr. Jerry W. Long

Gentlemen:

Enclosed are three copies of Form 9-331a, Subsequent Report of Abandonment, on our U. S. A. #1 Well, Shafer Canyon Field, San Juan County, Utah.

Yours very truly,

J. B. Cobb

General Drilling Superintendent

/sm

Enclosures

cc: State of Utah - w/Enclosure
Oil & Gas Conservation
310 Newhouse Building
10 Exchange Place
Salt Lake City, Utah

Attention: Mr. C. B. Feight

ce: Cabeen Exploration Corporation - w/Enclosure 945 Petroleum Club Building Denver 2. Colorado

Pure 011 Company - w/Enclosure P. O. Box 3372 Durango, Colorado

British American Oil Producing Co. - w/Enclosure P. O. Box 180 Denver 1, Colorado

-2-

Mr. Royce R. Latimer - w/Enclosure P. O. Box 897 Moab, Utah

Mr. Olen Featherstone - w/Enclosure 200 West First Street Roswell, New Mexico

Mr. Benjamin H. Swig - w/Enclosure s/c Pairmont Hotel San Francisco, California

Measrs. K. J. Van Ness - Moab, Utah John Mock J. C. Williams K. Somerville - Midland Office W. Smith - Midland Office (Corporate Well File Service Control

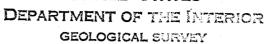
10N 2 6 1964

X

ME

(SUBMIT IN TRIPLICATE)

UNITED STATES



Land Office	Utah
Lease No	U-03051-D
Unit	U.S.A. #1
	Canyon Field

SUNDRY NOTICES A	nd reports on	WELLS		
NOTICE OF INTENTION TO DRILL				
NOTICE OF INTENTION TO CHANGE PLANS.	SUBSEQUENT REPORT OF WATER			
NOTICE OF INTENTION TO TEST WATER SHUT-OFF				
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL				
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		LLING OR REPAIR		
NOTICE OF INTENTION TO PULL OR ALTER CASING.	CLIPPI EMENTARY WELL DICTORY	ONMENT		
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l understand that this plan of work must receive approval in wr	iting by the Geological Survey before	operations may be comm	renced.	
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	Till Conomol De			
********************************	The General Di	rilling Superi	ntendent	1 1

June 24, 1964 Southern Natural Gas Company P. O. Box 1513 Mouston, Texas 77001 Attention: Mr. J. B. Cobb, General Drilling Superintendent Re: Well No. U.S.A. #1 Sec. 6, T. 27 S., R. 20 E., San Juan County, Utah Gentlemen: This letter is to advise you that the Subsequent Report of Abandonment and Plugging of the above mentioned well is due and has not been filed with this Commission as required by Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission. Thank you for your attention to this matter. Very truly yours, OIL & GAS CONSERVATION COMMISSION CLARELLA N. PECK RECORDS CLERK cnp



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STATE OF UTAH	SUBMIT IN TRIPLICATE
	(Other instructions on re

OIL & GAS CONSI	ERVATION COMMISSIO	(Other instructions on re-	5. LEASE DESIGNATION AND SERIAL NO
OIL & GAS CONSI	,		USA #1
CHAINDY MATE	CEC AND DEPONTS O	NI WELLC	6. IF INDIAN, ALLOTTEE OR TRIBE NAM
	CES AND REPORTS On the state of the control of the deepen or plug baction for PERMIT—" for such pro-		
			7. UNIT AGREEMENT NAME
OIL GAS OTHER			
NAME OF OPERATOR	8. farm or lease name. SLBM		
Southern Natural Gas Co			
ADDRESS OF OPERATOR			9. WELL NO.
P. O. Box 1513, Houston Location of Well (Report location cle	n, Texas 77001		10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface SE NW			
3279 feet from South 1:			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 6, T27S, R20E,	San Juan County, Uta	ìh	
PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)			12. COUNTY MIKKANINI 13. STATE
PERMIT NO.	4443	rr, Gr, euc.)	
			San Juan Utah
Check Ap	propriate Box To Indicate No	ature of Notice, Report, or C	Other Data
NOTICE OF INTENT	MON TO:	SUBSEQU	JENT REPORT OF:
TEST WATER SHUT-OFF	ULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	IULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	BANDON*	SHOOTING OR ACIDIZING	ABANDONMENT* X
REPAIR WELL C	HANGE PLANS	(Other)	
(Other)		(Note: Report results Completion or Recompl	of multiple completion on Well letion Report and Log form.)
2. Set cement plug from 3. Set 5 sack cement plug from 4. Installed blind flow		rface.	
Heavy mud was left No casing was pulle Well plugged and a			
	and the second of the second of the second		
			<u>, , , , , , , , , , , , , , , , , , , </u>
I hereby certify that the foregoing is	true and correct		
SIGNED SCOOL	TITLE Gene	eral Drilling Supt.	рат в <u>June 29, 1964</u>
J. B. Cobb			
(This space for Federal or State office	:e use)		
APPROVED BY	TITLE		DATE
CONDITIONS OF APPROVAL, IF A	NY:		



SOUTHERN NATURAL GAS COMPANY

EXPLORATION AND PRODUCTION DIVISION

P. O. BOX 1513 - ESPERSON BUILDING
HOUSTON 1, TEXAS

June 29, 1964

The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Re: USA #1

Shafer Canyon Field San Juan County, Utah

Gentlemen:

Enclosed in triplicate is Form OGCC-1 b, Abandonment Report, on the subject well.

Yours very truly,

J. B. Cobb

General Drilling Superintendent

JBC/sm

Enclosure

cc: U.S. Geological Survey - w/Enclosure

P. O. Box 1809 Durango, Colorado

Attention: Mr. Jerry W. Long

2

cc: Cabeen Exploration Corporation - w/Enclosure 945 Petroleum Club Building Denver 2, Colorado

Pure Oil Company - w/Enclosure P. O. Box 3372 Durango, Colorado

British American Oil Producing Co. - w/Enclosure P. O. Box 180
Denver 1, Colorado

Mr. Royce R. Latimer - w/Enclosure P. O. Box 897 Moab, Utah

Mr. Olen Featherstone - w/Enclosure 200 West First Street Roswell, New Mexico

Mr. Benjamin H. Swig - w/Enclosure c/o Fairmont Hotel San Francisco, California

Messrs. K. J. Van Ness - Moab, Utah John Mock J. C. Williams K. Somerville - Midland ●ffice W. Smith - Midland Office Corporate Well File